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Title: Switch Fabric Scheduling With Fairness And Priority Consideration

Applicants: Gireesh Shrimali, et al. Docket: RAMB-01013US0

Appl. No.: 10/614,423 Atty: Kirk J. DeNiro, Esq

Filing Date: July 7, 2003 Phone: (415) 340 2445 Kirk J. DeNiro, Esq. (415) 369-9660



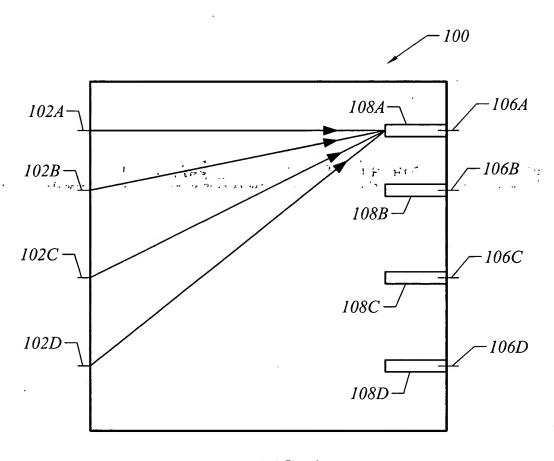


FIG. 1 (Prior Art)

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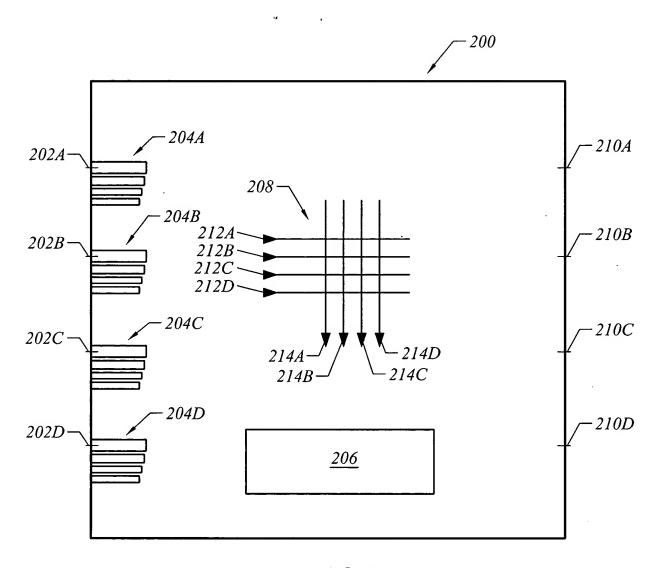
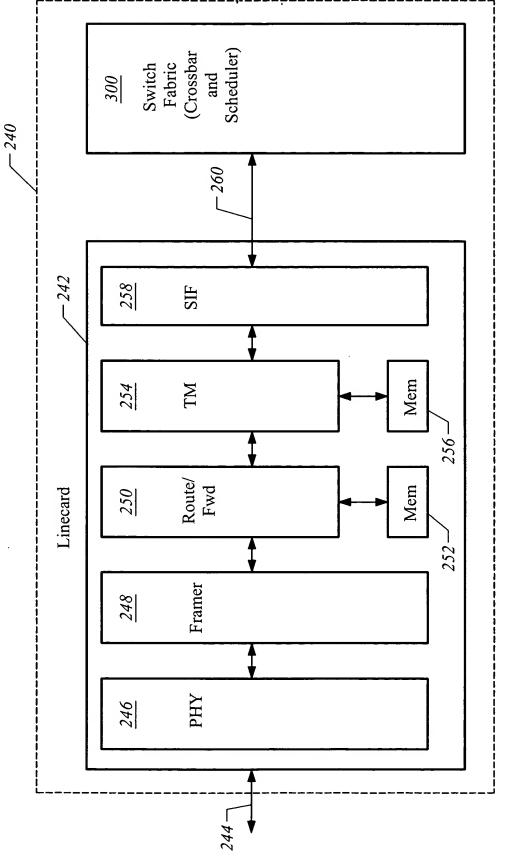


FIG. 2 (Prior Art)

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10/614,423 July 7, 2003

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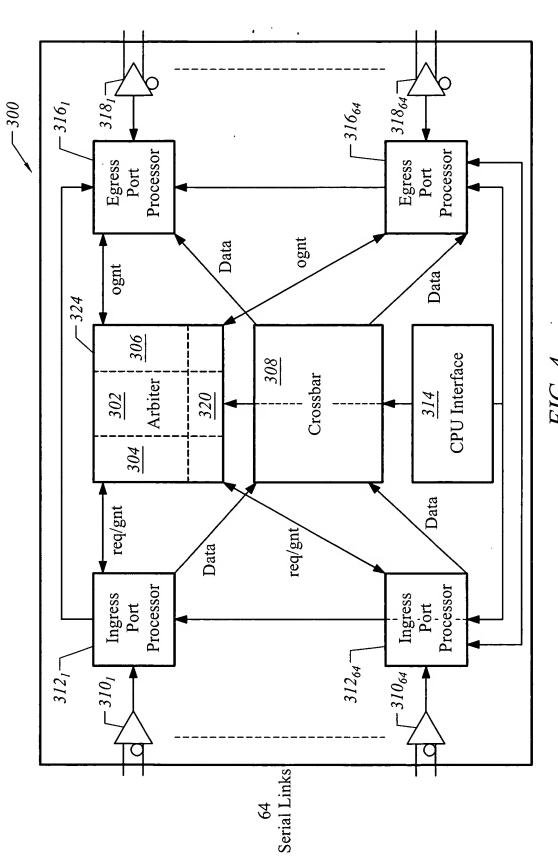


FIG. 4

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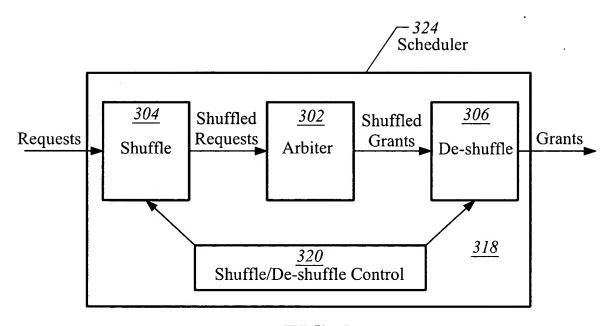


FIG. 5

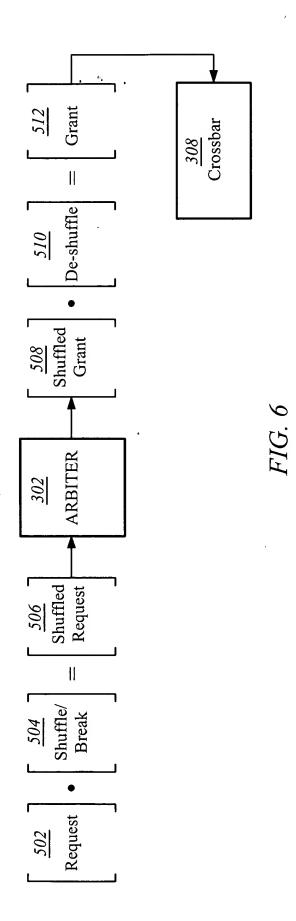
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RAMB-01013US0 Kirk J. DeNiro, Esq. (415) 369-9660

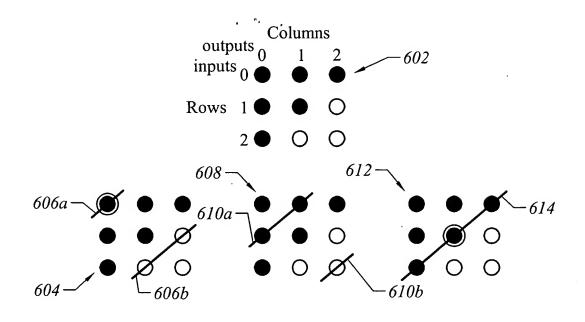


FIG. 7

Row or Col Position	0 1 2	0 1 2	0 1 2	0 1 2
Calculated Shuffle Control	1 2 0	0 2 1	2 1 0	1 0 2
Row Shuffle	1 2 0	0 2 1	2 1 0	1 0 2
Col Shuffle	1 2 0	1 2 0	2 1 0	2 0 1
Cell Time	Cell Time 0		2	3

FIG. 8

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Row or Col Position 0 1 2 0 1 2 0 1 2 0 1 2 Calculated 1 2 0 0 2 1 2 1 0 1 0 2 Shuffle Control Row Shuffle 2 1 0 1 2 0 1 2 0 2 0 1 Col Shuffle 1 2 0 0 2 1 2 1 0 1 0 2 Cell Time 0 1 2 3

FIG. 9

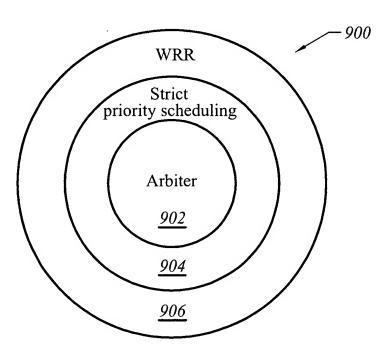


FIG. 10

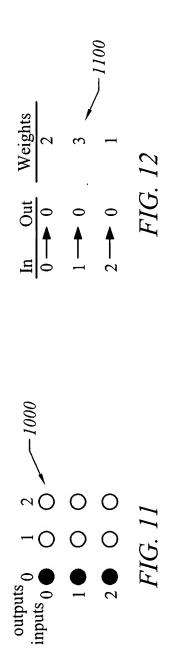
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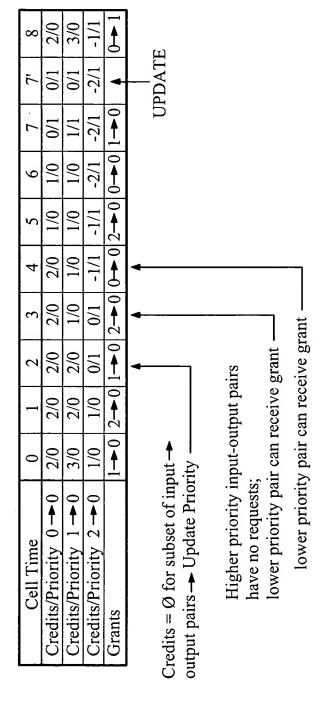


8	2	3	1	1 → 0	ا
7.	0	0	0	+	RESET
7	1	0	0	00	I
9	2	0	0	00	S
5	2	0	0	2-0	d grant
4	2	1	0	1 ◆ 0	nunse
3	2	1	0	$- \bullet 0 2 - \bullet 0 1 - \bullet 0 2 - \bullet 0 1 - \bullet 0 2 - \bullet 0 0 - \bullet 0 0 - \bullet 0$	Potential unused grants
2	2	2	0	1-0	P(
1	2	2	1	2-▶0	
0	2	3	1	1→0	
Cell Time	Credits 0→0	Credits $1 \rightarrow 0$	Credits 2→0	Grants	

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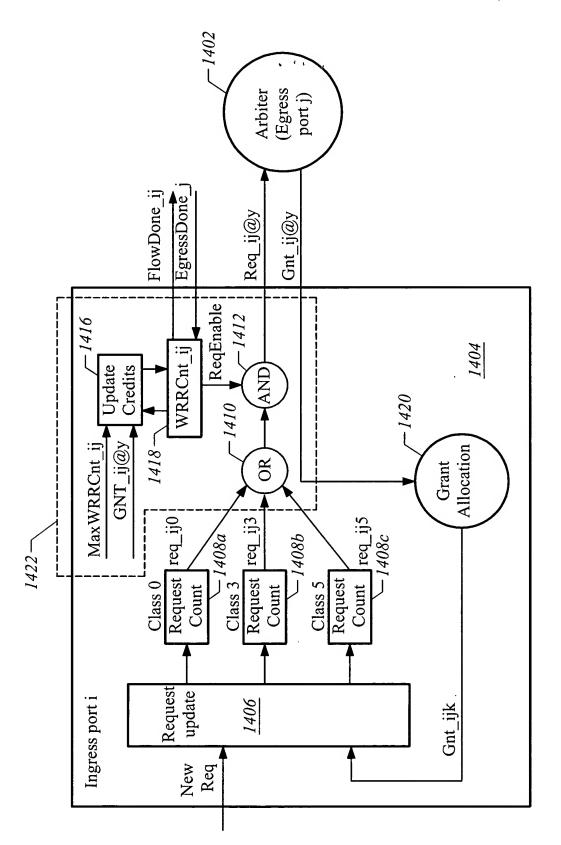
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